```
void start_write( ){
void start read( ){
    enter(IM);
                                          enter(IM);
    if(wc > 0)
                                          WC++;
                                          if(rc > 0 \parallel wc > 1)
        wait(R, R_count, IM);
                                              wait(W, W_count, IM);
    rc++;
    signal(R, R_count, IM);
                                          leave(IM);
    leave(IM);
}
void end_read( ){
                                     void end_write( ){
    enter(IM);
                                          enter(IM);
    rc--;
                                          WC--;
    if(rc == 0)
                                          if(wc > 0)
        signal(W, W_count, IM);
                                              signal(W, W_count, IM);
    leave(IM);
                                          else
                                              signal(R, R_count, IM);
                                          leave(IM);
                                     }
process P1( ) {
                                     process P2( ) {
    read-write.start_read( );
                                          read-write.start_write();
    {read};
                                          {write};
    read-write.end_read( );
                                          read-write.end_write();
```